ANNUAL REVIEW OF

ADDICTIONS RESEARCH AND TREATMENT

VOLUME 3

SUBJECT INDEX



PERGAMON

ANNUAL REVIEW OF ADDICTIONS RESEARCH AND TREATMENT

Editors

James W. Langenbucher, PhD Barbara S. McCrady, PhD William Frankenstein, PhD Center of Alcohol Studies Rutgers University Piscataway, NJ 08854 Peter E. Nathan, PhD
University of Iowa
Office of Academic Affairs
111 Jessup Hall
Iowa City, IA 52242

Board of Editorial Advisors

Floyd E. Bloom, MD Research Institute of the Scripps Clinic

Charles S. Lieber, MD Mount Sinai School of Medicine A. Thomas McLellan, PhD
University of Pennsylvania
Eric Single, PhD
Addiction Research Foundation

Myrna M. Weissman, PhD Columbia University

Editorial Offices: Center of Alcohol Studies, Smithers Hall, Busch Campus, Rutgers University, Piscataway, NJ 08854.

Editorial Assistant: Wendy Boswell

Production Editor: Alayne Bakken, E-mail: A.BAKKEN@ELSEVIER.COM

Publishing, Advertising, and Subscription Offices: Elsevier Science Inc., 660 White Plains Road, Tarrytown, NY 10591-5153, USA, E-mail Address: ESUK.USA@ELSEVIER.COM; or Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford, OX5 1GB, England.

Published 1 per annum: Annual Institutional Subscription Rates 1994: North, Central and South America, U.S.\$170.00, Rest of World £110.00. Sterling prices exclude VAT. Non-VAT registered customers in the European Community will be charged the appropriate VAT in addition to the price listed. Prices include postage and insurance and are subject to change without notice.

Subject Index

Abstinence

alternatives to in alcohol/drug control policy, 338 commitment to and cocaine relapse, 38, 41, 44 motivation for, 213-214 Addiction lay treatment of. See Self-help and self-directed change research funding for. See Mental illness and addictive disorders, research funding of Adolescence drug use and premarital pregnancy/abortion in, 381-397. See also Drug use, as risk factor for teen pregnancy and abortion prediction of substance use in, 87-94, 121, 122. See also Substance abuse in adolescence AIDS, in drug abuse-primary care treatment, 8-9 legal availability and consumption of, 281-282 sensitization/tolerance to. See also Sons of alcoholic father in sons of alcoholic father, 159-168 Alcohol abuse and dependence. See also Epidemiology of alcohol disorders; Etiology of alcoholism; Occupations and alcohol abuse/dependence diagnosis of, DIS/DSM-III in, 108 epidemiology of, 71-86 etiology of, 127-148 occupations and, 103-119, 122 prevalence of, 109 studies of age-at-onset in, 121 associated disability in, 121-122 posttreatment, 19-31 prevention of, 122 psychiatric epidemiology and, 121-122 Alcohol abuse and dependence treatment for alcohol-abusing workers, 263-274 behavioral therapy for, 47-56, 66 choice of modality, by alcohol-abusing worker, 264, and health care cost reduction, 367-379. See also Health care cost reduction with alcoholism treatment naltrexone in postdetoxification, 57-64 outpatient spouse-involved. See Behavior modification in alcoholism treatment personality and, 134-135 posttreatment studies of 1990: at 10 years, 22-34 early, 20-22

functioning, long-term, 21-22, 25-29, 30-34 stage effects of change and, 251, 2009 Alcohol consumption. See also Outlet density and alcohol sales advertising restrictions and, 288-289 availability and legal, for time and place, 281-282 social, 289-290 movie and TV portrayal and, 289-290 outlet density and, 283-285, 307-321 outlet regulations and, 283-285, 307-321 price and excise taxes and, 280-281 product labeling and, 286-288. See also Warning labels server training and, 285-286 state versus privatized distribution systems and, warning labels and, 277, 288, 293-305 Alcohol content labeling, 287, 288. See also Warning labels on alcoholic beverages Alcohol control policy(ies) commentary on, 323-324, 399-400 distribution system structure, 282-283 economic, price and taxes, 280-281 legal availability, 281-282 marketing, 288-289 freemarket forces and, 323-324 outlet regulation, 283-285 prevention research implications of active strategies, 326-327 passive strategies, 325-326 product content and packaging, 286-288 for selling/servers, 285-286 social availability, 289-290 Alcohol use, cognitive motivation and, predictive of problem drug use, 169, 179, 180, 181, 183, 184-185 Alcohol-abusing workers job outcomes posttreatment measures and analyses of, 265, 269 rehabilitation of choice of treatment in, 264, 266, 271 compulsory AA only in, 263-264, 266, 267, 269, 274 compulsory hospitalization in, 263 supplemental hospitalization in, 264, 265, 267 treatment options for, 210-212, 261-272, 274 cost of, 211-212, 269 treatment outcomes in cocaine use and, 267-268

Alcohol-abusing workers (continued) Cocaine abuse adjunctive pharmacotherapy for, 4-6 drinking, 265, 267, 269 job performance, 265-267, 269 behavioral interventions for, 6-7, 65-66 other drugs and group, 267-269 pharmacobehavioral therapy for, 7-8 Alcoholic Beverage Labeling Act (Public Law 100-690, pharmacotherapy for, 65 by workers and treatment outcomes, 267-268 1988), 294 Alcoholics Anonymous (AA) Cocaine relapse posttreatment, 35-45, 67 abstinence commitment and, 38, 41, 44 diffusion of alcohol specific factors in, 223 coping strategies and, 39, 42, 43 as belief system, 222-223 negative events and, 38-39 physical symptoms and, 43 as interactional system, 222 linguistic and cultural region and, 224, 227 positive mood and, 41-42, 44 by nation: 1965-1986, 224, 225-226 stress and, 42, 43, 44 Codependency political system and dominant religion and, 224, 227 epidemic of, 201-202 preconditions in, extrinsic and intrinsic, 206-208, 222-228 women's problems with, 203-204 territorial gains in, recent, 227-228 Cognitive motivation and drug use, 169-187 social and cultural preconditions and strength facanalysis in, 176-177 tors of, 206-208, 222-228 definitions in, operational, 186-187 for treatment of alcohol-abusing workers, 263-264, expectancy-behavior relations theories and, 170-266, 267, 268, 269, 274 172, 181-182, 190 generalization in drug expectancies in, 172-173, Alcoholism. See Alcohol abuse and dependence Alcoholism in women, 149-158. See also Twin study of 183 alcoholism in women measures in, 174-175 Alcohol-related problems. See also Alcohol control poliresults in, 176-180 vulnerability toward problem drug use and, 173, alcohol control policies and, 279-291 181, 183-184 Attention-deficit disorder and adolescent substance Collaborative Alcohol-Related Longitudinal Project, 95-101 Autonomic nervous system, in etiology of alcoholism, analysis procedures in, 99 142-143 individual studies in, 96-98 perspectives in, internal and external, 99 Behavior modification research agendas in, 99, 100 in alcoholism treatment, 47-56, 66 study selection in, 96 Conduct disorder in cocaine abuse treatment, 6-7, 65-66 in opiate-detoxification, 11-12, 66 adolescent substance abuse and in spouse-involved alcoholism treatment, 47-56 correlation with substance, 91, 94 alcohol-focused, 47-56, 66 prediction of, 92-93 drinking behavior in, 49-50 Context drinking outcomes following, 50-51, 52 of alcohol use drinking-related impairment in, 51-52 in sons of alcoholic fathers, 167 marital functioning and, 52-53 of drug use, 343-355 marital satisfaction and, 52, 53-54 life marital therapy plus alcohol-focused, 49, 50, 51, and functioning postalcoholism treatment, 27-29, 52, 53-54, 55 30 - 31subjective satisfaction and, 53, 54 Coping strategies stages of change in, 208-209, 246-248, 257. See also cocaine relapse and, 39, 42, 43 Change, in addictive behaviors posttreatment functioning in alcoholism and, 28, 29, Cannabis use and decriminalization, 337 Cost. See also Health care cost reduction with alcoholism treatment Change in addictive behaviors, 209, 245-260, 273, 298 of health care definitions and interventions in, 253 alcoholism treatment and reduction of, 367mismatched stage effects and treatment, 209, 251 379 of mental illness and addictive disorders relapse, 249 spiral pattern of, 249-250 direct and indirect, 358 treatment implications, 249-250 regulation of drug and alcohol use and analysis of cost/benefit of, 399, 400 process of of treatment for alcohol-abusing workers, 211-212, integration with stages of change, 254-258 as predictor of change, 253-254

Criminalization of drug use, 334, 335

health-centered policy versus, 334, 335

Cue extinction in cocaine abuse treatment, 6-7

self-directed. See Self-help and self-directed change

stages of behavior modification in, 208-209, 246-

248, 257

Depression, posttreatment for alcoholism, 25, 27, 29 Distribution systems for alcohol, state-controlled *ver-sus* privatized, 282–283

Drinking age, control policies and alcohol consumption, 281, 282

Drinking behavior. See also Collaborative Alcohol-Related Longitudinal Project

Drinking behavior, meta-analysis in longitudinal studies, 95–101. See also Collaborative Alcohol-Related Longitudinal Project

Drinking outcomes, in spouse-involved alcohol dependence treatment, 50-52

Drinking patterns and problems, in epidemiology of alcohol disorders, 80–81

Drug abuse-primary care combination treatment, 12–13

AIDS and tuberculosis in, 8-9 case management in, 9-10 research in, 9

Drug control policy models, 332 Drug culture in Rotterdam and Bronx commonalities in, 349–350

differences in, 345–348, 349, 350

Drug use

in adolescence, predictive study of, 88–93. See also Substance use in adolescence

cognitive motivation and, 169-187. See also Cognitive motivation and drug use

as risk factor for teen pregnancy and abortion, 381–397 abortion decision and, 393–394

contraceptive use and, 383-384, 390-391, 393-394

illicit drugs other than marijuana and, 393-394 independent variables in study

conventional behavior/delinquent activities, 387–388

intervention implications of study, 395 marijuana and, 394

predictors of pregnancy, 390-392

problem behavior *versus* developmental stage model and, 382–383

sexual activity and, 390, 391, 393, 394 substance use and, 390, 391–392, 393

Drug use contexts and HIV consequences, 343-355 Bronx

client-perceived needs and public health goals in, 346-347

economic instability and drug use/ sales, 348-349

war on drugs policy and results, 348–349 future research in practice and policy, 350–352

in naturalistic phenomena, ethnographic, 350–351

outreach strategies of harm reduction versus prohibition, 351

versus needle-sharing only, 344-345 policy determinants of, 349-350

Rotterdam

drug sharing, supportive versus needle sharing, 345–346

policy determinants in, 349

social responsibility policy, control versus elimination, 347-348

Electrophysiological markers in etiology of alcoholism, 136–137

Emergent treatment concepts, 3-13, 65-67

in cocaine abuse, 3-8, 65

in drug abuse-primary care combination in, 8–10, 12–13, 66

HIV prevention and, 10-11

in opiate detoxification, 11-12

Emotional disorders, adolescent substance use and, 93 Environment

alcoholism in women and, 189, 190

twin study of risk for, 155-156 family, in etiology of alcoholism, 140-141

treatment

patient perception of and posttreatment functioning, 25, 27, 31

Epidemiology, psychiatric, contribution of alcohol disorders and studies in, 121-122

Epidemiology of alcohol disorders, 71–86

consumption questions in, 76, 77

defined, 71

future research, 81-83

historical overview of, 77

multifactorial, 71

psychiatric, 74-75

psychological and psychiatric lineage in, 72-73

psychosocial, 74

sociology in

alcoholism symptoms in, 78-80

drinking patterns and problems in, 80-81

Etiology of alcoholism

commentary on, 189-190, 191, 193-195

familial risk and reduced responsibility, 141-142

family environment, 140-141 genetic linkage studies, 140

genetic models in

adoption studies, 131-132

family history data, 130-131

twin studies, 132

heterogeneity in, clinical and genetic, 129-130, 194

hypotheses in, 142-143

markers for risk, 133-134

neurocognitive variants in, 135-140

markers, 135-136, 136-138

neuropsychological indices, 139-140

psychosocial reactivity, 138-139, 143

nosological considerations in, 128-129

phenotypic expression of, 193, 195

prevalence and comorbidity in, 127–128

research methodology in

drug use and, 189-190

risk quantification in, genetic and environmental, 128

treatment and personality in, 134-135

vulnerability and alcohol expectancies, 190-191

Expectancy theory

cognitive motivation and, 169-187. See also Cognitive motivation and drug use

generalization in, 172-173, 183

vulnerability to drug use and, 173, 181, 183-184,

Expectancy-behavior relations theories in cognitive motivation and drug use, 171-172

Family

in etiology of alcoholism, 140–141 in rational recovery program, 215

Functioning

independent in rational recovery program, 216 posttreatment for alcoholism

job, 265-267, 269

long-term, 21-22, 25-29, 30-34

in spouse-involved alcohol dependence treatment, 50, 54, 552–53

Funding of research in mental illness and addictive disorders, 357–366. See also Mental illness and addictive disorders, research funding of federal, 362–364, 365, 366 foundation, nonprofit, 364–365, 366 industry, 360–365

Genetic factors

state, 360-364

in etiology of alcoholism, 129–130, 140 models, 130–132

in sons of alcoholic father, 160-166. See also Sons of alcoholic father

in women alcoholics, 140–141, 149–158, 189–190. See also Twin study of alcoholism in women

Harm reduction

as policy in alcohol/drug control, 334–338 drug use consequences and, 337–338, 400 prohibition and, 399 research results in, 337–338

Health care cost reduction with alcoholism treatment alcoholism treatment costs and, 373, 376 demographics and, 372

final ANOVA posttreatment costs, 375

health insurance claims by treated and nontreated alcoholic

employees of self-insured company, 369-370 monthly costs

average per capitas, 373

pre/post total medical costs, 374 summary and conclusions, 376-378

HIV prevention education in addiction programs, 10–11, 12, 66

Hospitalization of alcohol-abusing workers, 263, 264, 265, 267

Inner child movement, 204-205

Job performance, alcohol treatment and, 265-267, 269

Labeling of alcoholic beverages for alcoholic content, 286–288

effect on consumption, 287, 288

Lay treatment of addictions. See also Self-help and self-directed change

reviews of trends in, 206-212

change applied to addictive behavior, 208–209 self-help quit smoking interventions, 209–210 social and cultural preconditions and strength of AA, 206–208

treatment options for alcohol-abusing workers, 210-212

Legalization model of alcohol/drug control, consequences of, 332, 333, 336–337

Marijuana use and risk for teenage pregnancy and abortion, 394

Mental illness and addictive disorders costs of, direct and indirect, 358

research funding of, 357-366

by Alcohol, Drug Abuse, and Mental Health Administration, 362, 365, 366

by Defense Department, 364

by Education Department, 363

by Health and Human Services, 383

by industry, 360, 365

by Justice Department, 363-364

by National Aeronautics and Space Administration, 364

by National Science Foundation, 363

over time, 362

as percentage of health care costs, 361-362

by private nonprofit foundations, 364-365, 366 sources of, 361

by states, 350, 364

study methods and limitations, 358-360

by Veterans Affairs Department, 363

Minimum drinking age, effect on alcohol sales, 310, 317 Mood

in alcohol rehabilitation with naltrexone, 62–63 effect on cocaine relapse, 41–42, 44

questionnaire for, 38

Mortality, predictors of, 10 years after alcohol treatment, 24-25, 30

Motivation

for abstinence, 213-214

cognitive, 169-187. See also Cognitive motivation and drug use

for treatment

cocaine relapse and, 38–43, 67 stages of change and, 67

Naltrexone

post-detoxification, 57-64

adjunctive pharmacotherapy in, 58

alcohol craving in, 61

benefits of, 63

blood chemistry in, 61

drinking in, 62

dropouts in, 60-61

limitations of, 63-64

psychopathological condition and mood in, 62–63 relapse in, 62

sociodemographics in, 60

subjects and methods, 58-59

Needle-sharing interventions versus drug use context interventions, 344–345

Neurobehavioral markers in etiology of alcoholism, 135–136

Neuropsychological indices in etiology of alcoholism, 139–140 Occupations and alcohol abuse/dependence, 103-119, 122 models in motivational, 115, 116, 117 social availability, 117 social control, 116 structural, 115, 116-117 prevalence of abuse/dependence in, 107-108 adjusted, 113-114 crude, 109-111 previous studies of alcohol-related physical illness, 105 cirrhosis mortality statistics, 105 population survey in, 105-107 treated alcoholics, 104-105 results of, 109-114 review and analysis of, 107-117 employment versus unemployment in, 114 occupation in, 108-109 working conditions and, 115, 116 Offset (reduction in health care costs) alcoholism treatment and, 367-379. See also Health care cost reduction with alcoholism treatment Opiate detoxification, emergent concepts in, 11-12 Outlet density and alcohol sales, 307-321 alcohol-related problems and, 319-320 economic activity and, 313, 318 income and price and, 316-317, 319 land area per adult and, 315-316 minimum drinking age and, 310, 317 policy implications of, 319-320 previous studies of, 308-309 social norms and, 310, 319 of spirits, 313, 314, 318 tax rates and, 318-319 tourism and, 317 of wine, 314, 315, 316, 318 Outlets. See also Outlet density and alcohol sales regulation of and alcohol consumption density of, 283, 284, 285, 307-321 sales hours and days and, 283-284, 285 by state, 282, 283 types of, 284, 285 Personality, in etiology of alcoholism, 134-135 Pharmacotherapy for alcohol abuse naltrexone hydrochloride, 57-64, 65 for cocaine abuse, 4-6, 65 in opiate detoxification, 11-12 Policy: alcohol, 279-291. See also Alcohol control policy(ies) Policy: alcohol and drugs, 331-341 conclusion and future of, 338-339 current status, 333-338 harm reduction in, 335-336 health-centered versus criminalization, 334-335

prohibition/criminalization, 334, 335

in decriminalization of cannabis, 337

harm reduction research and

alternatives to abstinence, 338

VII social controls and tobacco use, 337-338 historical overview, 331-333 legalization, 332, 333 prohibition, 332-333 regulation, 332 Policy: drug, effect on patterns of use and HIV consequences, 347-350. See also Drug use contexts and HIV consequences Prediction of functioning and mortality with alcohol dependence: 10 years posttreatment, 22-31. See also Alcohol abuse and dependence, posttreatment studies of Prevention research in alcohol control, active and passive strategies, 325-327 Price, alcohol sales and, 316-317, 318, 319 Price and taxes, alcohol consumption and, 280-281 Prohibition, effect on drug use consequences, 399-400 Prohibition model of alcohol and drug control, 332, 333, 334 decriminalization and, 337 illicit market consequences of, 336 Psychiatric disorders, adolescent substance use and, 88, 89, 90, 91 Psychiatric factors in epidemiology of alcohol disorders, 74-75 Psychophysiologic reactivity in etiology of alcoholism, 138-149, 143 Psychosocial factors in epidemiology of alcohol disorders, 72-73, 74 Rational emotive behavior therapy, 212 Rational recovery versus AA, 206-218, 275 addictive voice recognition training in, 217 ambivalence versus denial in, 214-215 client-treatment matching in, 218 competence versus powerlessness in, 213 course of recovery in, 217 family noninvolvement and, 215 versus illusion of denial, 214 independent function in, 216 insight orientation in, 217 meeting format in, 215 mode of recovery in, 213 motivation to abstain in, 213-214 versus one-day-at-a-time, 214 purpose of, 212 rational emotive therapy and, 212 task orientation in, 216 Regulation model of alcohol and drug control, 332 consequences of, 336-337 Regulation of drug and alcohol use, cost/benefit analy-

sis of, 399, 400 Relapse during addictive behavior modification, 249 following cocaine rehabilitation, 35-45. See also Cocaine relapse posttreatment during naltrexone alcohol rehabilitation, 62 Risk in etiology of alcoholism environmental, 155-156

Risk (continued) familial, 141-142 markers for, 133-134

Self-help and self-directed change. See also Codependency; Rational recovery versus AA; Smoking cessation interventions

Rational Recovery Self-Help Network versus AA and, 200, 212

rational recovery versus AA, 206-218, 275

in smoking cessation, 209-210

12-step programs

Adult Child of an Alcoholic versus Inner Child, 200-201

backlash against, 219 codependency, 201–204 criticisms of, 205–206, 219, 274 evolution of, 200–205

inner child movement, 204–205 Smoking cessation interventions, 231–244

commentary on, 273-274 discussion, 241-243

outcomes of, 237-241 printed materials in, 209, 234, 238, 241

plus social support, 234, 243

plus social support and telephone counseling, 234-235

use and ratings of, 236-237

social support instructions in, 209, 210, 238–239, 240, 242

stages of change in, 210

telephone counseling in, 209, 210, 239, 242-243

Social availability of alcohol

in alcohol control policies, 289-290

in occupations and alcohol abuse/dependence study, 117

Social control and substance use

in occupations and alcohol abuse/dependence study, 116

tobacco use and, 337-338

Social support in smoking cessation, 234-235, 243 Sociologic factors

in epidemiology of alcohol disorders, 78-83

in etiology of alcoholism

alcoholism symptoms in, 78-80

drinking patterns and problems in, 80-81

Sons of alcoholic father

chronic alcohol sensitization/tolerance in, 159–168 alcohol dose in, 162

analyses in, primary and casewise, 163–165 commentary on, 190–191

compared with sons of nonalcoholic father, 159-160

context dependency in, 167

heart rate and automaticity measures in, 162-163 motor activity in, 163, 165, 166

purpose of study, 159-161

results of, 162-165

subject selection and, 161-162 temperamental differences in, 166-167

State beverage control, effect on alcohol consumption, 282, 283

Stress, effect on cocaine relapse, 42, 43, 44

Substance use in adolescence. See also Drug use

follow-up predictive study of

attention-deficit disorder and, 93 conduct disorder and, 92-93

emotional disorder and, 93

increase in, 92

method in, 88-90

patterns in early *versus* late adolescence, 90–91 prevalence by sex, 90, 91

Symptoms

of alcoholism

in epidemiology of alcohol disorders, 78-80

physical

effect on cocaine relapse, 43 posttreatment for alcoholism, 25, 27

Tax rates, alcohol sales and, 318-319

Telephone counseling, plus social support, 209, 210, 239, 242–243

Temperament and chronic alcohol sensitization/tolerance, 166-167

Twelve-step programs. See under Self-help and selfdirected change

Twin study of alcoholism in women, 149–158 correlation of liability in, 151–152

environmental risk factors in, 155–156

genetics and environment in, 152-153

heritability estimates in, 155

multiple threshold model in, 152, 153

personal interview in, 151

prevalence and probandwise concordance in, 153, 154

results, 153

sample in, 150

statistical analysis of, 152

tetrachoric correlation and fit in, 153-155

zygosity information in, 150-151

Warning labels on alcoholic beverages, 286–288, 293–305

Alcoholic Beverage Labeling Act (Public Law 100-690, 1988) and, 294

effect on consumption

historical perspective on, 294-295

sample and methodology, 295-297, 303-304

knowledge associated with: 1990, 300-301, 304

knowledge levels and

differences: 1989 and 1990, 299-300, 301

messages on current labels, 294, 296

omitted, 296-297

seen according to population, 297-299

Workplace

alcohol consumption and control policies, 281, 282

